Software for registered farmers

*44. SHRI VIJAY J. DARDA: Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

(a) whether IIT, Bombay has developed a software with which registered farmers can have their queries answered on a mobile phone without having to go to a kiosk or cyber cafe;

(b) if so, will farmers from Vidarbha region be made familiar with such a cost-effective mechanism through which they get answers to their agriculture and animal husbandry related questions; and

(c) the cost involved and the time-frame for starting the functioning of this software from Vidarbha?

THE MINISTER OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI A. RAJA): (a) to (c) Yes, Sir. IIT, Bombay has developed Software AAQUA (Almost All Questions Answered) under a project undertaken at a cost of Rs. 1.62 crore out of which Department of Information Technology (DIT) funding was provided to an extent of Rs. 87 lakhs through Media Lab Asia. With the help of this software, rural users can have their queries/problems addressed by the experts. Interactions between users and experts happen *via* the web portal (www.aaqua.org) and SMS. The AAQUA site has already been responding to queries from users, including from Vidarbha. As of now, queries are answered primarily by experts from Krishi Vigyan Kendra, Baramati.

Reducing CER at garbage dumps

*45. SHRI HARISH RAWAT:
SHRI SANTOSH BAGRODIA:

Will the Minister of URBAN DEVELOPMENT be pleased to state:

(a) whether Government has issued directions to different Municipalities and State Governments to cut Carbon Emission Rates (CER) by treating the garbage dumps using new capping techniques and economizing the space covered by dumping grounds; and

(b) if so, the CERs earned thereby by Municipalities in different metropolises per annum as a result of such efforts?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT (SHRI AJAY MAKEN): (a) No, Sir. However, all the State Governments have been requested to explore the possibility of availing of Carbon Credits under the Kyoto Protocol to the United Nations Framework Convention on Climate Change (UNFCCC).

(b) The National Clean Development Mechanism Authority under Ministry of Environment and Forests has accorded approval for 16 projects related to Solid Waste Management out of which 03 have been approved by CDM Executive Board under Kyoto Protocol which is enclosed as Statement I and II (*See* below). However, CDM Executive Board has not issued any Certified Emission Reductions so far.

Statement-I

Details of Projects accorded by NCDM

Sl.No.	Name of Project	State	CERs that can be generated till 2012
1	2	3	4
1.	Municipal Solid Waste (MSW) processing cum power generation plant at Lucknow (UP) by Asia Bioenergy Limited (ABIL).	Uttar Pradesh	1620000
2.	6.6 MW Municipal Solid Waste to Electricity Generation Project in Hyderabad, Andhra Pradesh, India by Selco International Limited.	Andhra Pradesh	558000
3.	Emission reduction through partial substitution of fossil fuel with alternative fuels like agricultural by-products & Municipal Solid Waste (MSW) in the manufacturing of Portland Cement at Neemuch, Madhya Pradesh by M/s Vikram Cement.	Madhya Pradesh	212093
4.	Emission reduction through partial substitution of fossil fuel with alternative fuels like agricultural by-products, tyres and Municipal Solid Waste (MSW) in the manufacturing of Portland Cement at Grasim South Cement (GS), Tamil Nadu.	Tamil Nadu	322007
5.	"SESL 6 MW Municipal Solid Waste based Power Project" at Vijayawada & Guntur, Andhra Pradesh by M/s Shriram Energy Systems Limited.	Andhra Pradesh	423368
6.	"50 TPD Biomethanation plant using Municipal Solid Waste at Timarpur, Delhi" by Timarpur Waste Management Company Pvt. Ltd.	Delhi	48636
7.	"6 MW waste to energy project at Timarpur, Delhi" by Timarpur Waste Management Company Pvt. Ltd.	Delhi	686992
8.	Methane avoidance by MSW processing in Chandigarh by M/s Jaiprakash Asssociates Ltd.	Punjab	116945
9.	"Prevention of methane production due to decay of organic waste and production of fuel briquettes from organic waste at Natura Bio-fuels" Bangalore, India by M/s Natura Bio-Fuels	Karnataka	167300

1	2	3	4
10.	The TIMARPUR-OKHLA Waste Management Company Pvt. Ltd. (TOWMCL) integrated waste to energy project at Delhi" in Timarpur and Okhla by the TIMARPUR-OKHLA Waste Management Company Pvt. Ltd. (TOWMCL).	Delhi	501146
11.	Municipal Solid Waste processing (MSW) in the city of Rajkot, India at Hanjer Biotech Energies (P) Ltd . in Nakrawadi village, Rajkot, Gujarat by Hanjer Biotech Energies (P) Ltd.	Gujarat	209673
12.	Avoidance of methane emissions from Municipal Solid Waste and food Waste through Composting" at Puri, Orissa by M/s Krishi Rasayan Private Limited.	Orissa	32252
13.	"Municipal Solid Waste based Composting at Kolhapur, Maharashtra" at Kolhapur district, Maharashtra State by M/s Zoom Bio-Fertilizers Private Limited (ZBPL).	Maharashtra	96893
14.	"SGRRL Municipal Solid Waste Project" at Mandur Village, Hoskote Taluk, Bangalore (East) District, Karnataka by M/s Srinivasa Gyathri Resource Recovery Ltd. (SGRRL).	Karnataka	414601
15.	"Upgradation, Operation and Maintenance of 200 TPD Composting facility at Okhla" Delhi by M/s IL&FS Ecosmart.	Dehi	396660
16.	"Upgradation and expansion of A.P.M.C. compost plant at Tikri, Delhi" by M/s IL&FS Ecosmart.	Delhi	178255
	TOTAL:		5984821

Statement-II

Details of Projects Approved by CDM Executive Board under Kyoto Protocol MSW Registered Projects by CDM-Executive Board

Sl.No.	Name of Projects	CERs that can be generated per annum
1.	"Methane Avoidance by Municipal Solid Waste Processing in the city of Chandigarh, India".	40308
2.	SESL 6 MW Municipal Solid Waste Based Power Project at Vijayawada & Guntur, Andhra Pradesh.	64599
3.	The TIMARPUR-OKHLA Wate Management Company Pvt. Ltd. (TOWMCL) integrated waste to energy project in Delhi.	262791
	TOTAL:	367,698